



SUBSTITUTE SPECIFICATION

PLASMA DISPLAY PANEL AND METHOD OF AGING THE SAME

TECHNICAL FIELD

5 The present invention relates to an alternative current (AC) plasma display panel and a method of aging the same.

BACKGROUND ART

A plasma display panel (hereinafter referred to as a PDP or simply a panel)
10 is a display device with an excellent visibility and a large screen, and has a low-profile and lightweight body. The difference in discharging divides PDPs into two types of the alternative current (AC) type and the direct current (DC) type. In terms of the structure of electrodes, the PDPs fall into the 3-electrode surface discharge type and the opposing discharge type. In recent years, the
15 dominant PDP is the AC type 3-electrode surface discharge PDP by virtue of having higher resolution and easier fabrication.

Generally, the AC type 3-electrode surface discharge PDP contains a front substrate and a back substrate disposed opposite from each other, and a plurality of discharge cells therebetween. On a front glass plate of the front
20 substrate, scan electrodes and sustain electrodes, as display electrodes, are arranged in parallel with each other, and a dielectric layer and a protecting layer are formed over the display electrodes to cover the display electrodes. On the other hand, on a back glass plate of the back substrate, data electrodes are disposed in a parallel arrangement, and a dielectric layer is formed over the
25 data electrodes to cover the data electrodes. On the dielectric layer between the data electrodes, a plurality of barrier ribs are formed in parallel with the rows of the data electrodes. Furthermore, a phosphor layer is formed between